

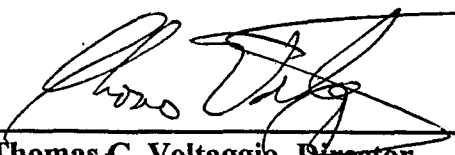
FIVE-YEAR REVIEW REPORT
BUTZ LANDFILL
SUPERFUND SITE
MONROE COUNTY, PENNSYLVANIA

Prepared by:

U.S. Environmental Protection Agency

Region III

Philadelphia, Pennsylvania


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Date

U.S. Environmental Protection Agency
Region III
Hazardous Waste Management Division
Five-Year Review (Type Ia)
Butz Landfill Site, Monroe County, PA

I. Introduction

Authority Statement. Purpose. EPA, Region III, conducted this five-year review of the remedy for the Butz Landfill Site pursuant to CERCLA Section 121(c), and the National Contingency Plan, 40 C.F.R. Section 300.400(f)(4)(ii), in a manner that conforms with OSWER Directive 9355.7-02A (July 26, 1994). It is a statutory review. The purpose of a five-year review is to ensure that a remedial action remains protective of public health and the environment and is functioning as designed. This document will become a part of the Site file. This review (Type Ia) is applicable to a site at which response is ongoing.

Site Characteristics. The Butz Landfill Site (the "Site"), also known as the North Road Site, is located in Jackson and Pocono Townships, Monroe County, PA. The Site consists of an area of ground water contamination underlying approximately 1.5 square miles of rural lands located immediately south to southeast of Camelback Mountain. The primary ground water contaminant is trichloro-ethylene ("TCE"). Although a definite source of the ground water contamination has not been identified, the highest concentrations of ground water contaminants appear to be just south and southeast of the Butz Landfill, an abandoned landfill formerly used for the disposal of municipal and commercial wastes. Approximately 3,300 people live within three miles of the Site. Because of the presence of various resorts and summer homes, the population approximately doubles during the tourist seasons of winter and summer. The primary uses of the land in the area are for family residences, recreational activities and farming.

Two Records of Decision ("RODs") have been signed for the Site. The first, dated September 28, 1990, called for the construction of a municipal water system to supply potable water to those residences and businesses whose ground water wells were contaminated, or had the potential to become contaminated, by Site-related contaminants. The second, signed June 30, 1992, called for the cleanup of the contaminated ground water.

II. Discussion of Remedial Objectives.

To date, one remedial action has been completed at the Site: the construction of a municipal water system which was begun in June 1992 and completed in December 1992 pursuant to the September 28, 1990 ROD. All residents and businesses that EPA had determined to have contaminated or potentially-contaminated ground water wells, and who were willing to accept the public water, were connected to the newly-constructed municipal water

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supply system. No persons are currently endangered because of unacceptable exposures to Site-related contaminants. Also, no ecological risks exist from the remaining ground water contamination.

The remedial action which remains to be completed (pursuant to the June 30, 1992 ROD) is the cleanup of contaminated ground water at the Site to background contaminant concentrations. A remedial design relating to that remedial action is currently ongoing and is being accomplished by EPA and the U.S. Bureau of Reclamation. It is anticipated that the remedial design will be completed in spring of 1997. If funding is available, remedial action work could begin in fall of 1997.

The ground water cleanup remedial action would attain the following federal, or more stringent, promulgated state environmental and public health applicable or relevant and appropriate requirements ("ARARs"), as set forth in the June 30, 1992 ROD:

1. Pennsylvania regulations (pertaining to hazardous substances in ground water) at 25 PA Code §§ 264.90 to 264.100, specifically, 25 PA Code §§ 264.97(i) and (j) and § 264.100(a)(9), are relevant and appropriate. These chapter citations require that ground water must be remediated to "background" quality. The requirement to meet MCLs and non-zero MCLGs under the federal Safe Drinking Water Act will, therefore, also be met.
2. All discharges of treated ground water to surface water streams will comply with the requirements of 25 PA Code Chapters 92, 93 and 95.

III. Recommendations

At this time, it is recommended that the remedial actions delineated in the June 30, 1992 ROD continue to be implemented. There is no apparent need for supplemental response actions.

IV. Statement on Protectiveness

I certify that the remedies selected for this Site remain protective of human health and the environment.

V. Next Five-Year Review

The next five-year review will be conducted by September 30, 2001.

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